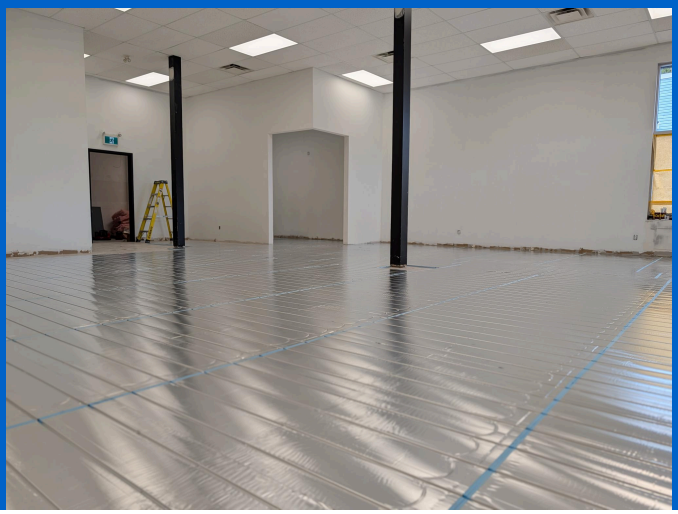
References

Nimatec Technical Sales Office



Uponor involvement

- 3,000 feet of Xpress Trak™
- Wirsbo hePEX™
- 2 10-loop Uponor Stainless-Steel Manifolds
- Smatrix Pulse System

Xpress Trak™ and Smatrix Pulse Help Provide Year-Round Comfort at Nimatec Technical Sales' New Office

Nimatec Technical Sales chose Uponor Xpress Trak™ radaiant heating and Smatrix Pulse controls to help provide consistent comfort at its new office in Québec, Canada. Discover how the installation simplfied the renovation while pairing radiant floor heating with supplemental forced-air heat.
For the past 25 years, Nimatec Technical Sales has represented the Uponor product line in Québec. So, when Nimatec moved into their new office in Beauharnois, Québec, Canada, choosing Uponor products to help heat the space was an easy decision.

Jeoffrey Laberge, Director of Sales at Nimatec, said the company chose an Uponor radiant heating system to provide comfort for both the office and the new conference room, where wholesalers and contractors will receive training.

According to Laberge, employees experienced discomfort in the previous building due to fluctuating temperatures.

"In the morning, it could be very cold," Laberge explained. "Then it would warm up very rapidly because the space was a little bit too tight. There were a lot of employees with computers running. We lost control of the thermostat because of it."

Nimatec decided to use Xpress Trak™ panels for the radiant heating system because the installation method was well suited to the project. The system needed to be installed over a ceramic floor, making Xpress Trak the preferred solution. In total, the project included 3,000 square feet of Xpress Trak.

"We needed to adapt," Laberge said. "We didn't want to pour concrete in the new building because that would've added extra cost. Being able to manage and complete everything ourselves made it worthwhile rather than taking the traditional approach."

Xpress Trak consists of lightweight foam panels designed for installation over wood subfloors or concrete slabs in both new construction and remodeling projects. Each panel features high-density XPS foam laminated with aluminum, providing

exceptional heat-transfer capabilities.

Laberge said the installation process was a lot easier than a conventional installation because the radiant panels were lightweight and easy to install. “It was a quick installation,” he added.

After laying the panels, Nimatec installed 5/16" Wirsbo hePEX™ oxygen-barrier piping for the radiant loops and ¾" Wirsbo hePEX for the distribution lines to two separate 10-loop Uponor Stainless-Steel Manifolds.
“We did prepare the loop layout for it, and it also went well,” he said.

The building is also including forced air on the rooftop to provide supplemental heat, but the radiant system will be used as the “first stage of heating,” according to Laberge.

To control the two systems, Nimatec is installing Uponor Smatrix Pulse in the mechanical room, which is located in the basement of the new office. Smatrix Pulse is a wireless zoning control system designed for radiant heating and cooling installations. It also can integrate forced-air heating and cooling.

Laberge said they chose the Smatrix Pulse control system due to the technology, and it allowed them to use slab sensors for detecting floor temperatures.

“Since we have two systems working in conjunction, using slab sensors will allow us to control the floor temperature better,” he explained.

The radiant floor heating system was designed as the first step of heating to primarily provide occupant comfort throughout the building, according to Laberge. During peak heating periods in the winter, the rooftop heating units will act as the second stage and automatically provide additional heating when required.

“This staged approached helps maintain comfort while ensuring the building’s heating demands are fully met under all operating conditions,” Laberge added.

Completed in November 2026, Nimatec looked forward to the comfort this new radiant heating system would provide.

Project Facts:

Location	Completion
Beauharnois, Canada	2026

Building Type
Office

Address	Website	Project Type
301 Rue Ellice, Beauharnois, QC, Canada	https://www.nimatec.com/index-en.html	New building

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Read to Learn More?

To learn more about Uponor Xpress Trak or other radiant heating and cooling systems, visit uponor.com/radiant.

“Being able to manage and complete everything ourselves made it worthwhile rather than taking the traditional approach," said Jeoffrey Laberge, director of sales at Nimatec.

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